



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	3
-------	---	----	---

Complete if Known

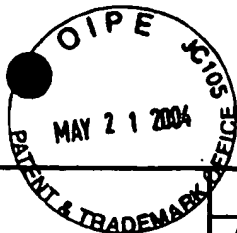
Application Number	10/758,608
Filing Date	January 14, 2004
First Named Inventor	Lo, Thomas Ying-Ching
Art Unit	3762
Examiner Name	To Be Assigned
Attorney Docket Number	017886-000810US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	1	US 3,978,849	09-07-1976	Geneen	
	2	US 4,083,366	04-11-1978	Gombrich et al.	
	3	US 4,086,916	05-02-1978	Freeman et al.	
	4	US 4,163,447	08-07-1979	Orr	
	5	US 4,239,048	12-16-1980	Steuer	
	6	US 4,256,117	03-17-1981	Perica et al.	
	7	US 4,357,944	11-09-1982	Mauser et al.	
	8	US 5,130,955	07-14-1992	Luerker et al.	
	9	US 5,136,621	08-04-1992	Mitchell et al.	
	10	US 5,197,489	03-30-1993	Conlan	
	11	US 5,243,992	04-14-1993	Eckerle et al.	
	12	US 5,265,614	11-30-1993	Hayakawa et al.	
	13	US 5,431,170	07-11-1995	Mathews	
	14	US 5,474,072	12-12-1995	Shmulewitz	
	15	US 5,494,038	02-27-1996	Wang et al.	
	16	US 5,738,104	04-14-1998	Lo et al.	
	17	US 5,795,300	08-18-1998	Bryars	
	18	US 5,807,267	09-15-1998	Bryars et al.	
	19	US 5,810,736	09-22-1998	Pail	
	20	US 5,876,350	03-02-1999	Lo et al.	
	21	US 5,941,837	08-24-1999	Amano et al.	
	22	US 5,960,089	09-28-1999	Bourcius et al.	
	23	US 6,080,111	06-22-2000	Pao-Lang	
	24	US 6,156,842	12-05-2000	Hoenig et al.	
	25	US 6,364,842 B1	04-02-2002	Amano et al.	
	26	US 6,371,920 B1	04-16-2002	Kamimoto et al.	
	27	US 6,394,960 B1	05-28-2002	Shinogi et al.	
	28	US 6,447,456 B1	09-10-2002	Tsubata	
	29	US 6,623,435 B1	09-23-2003	Tsubata	
	30	US 2001/0056243 A1	12-27-2001	Ohsaki et al.	
	31	US 2002/0151810 A1	10-17-2002	Wong et al.	

Examiner Signature		Date Considered	11-9-06
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

60196132 v1



PTO/SB/08A (08-03)

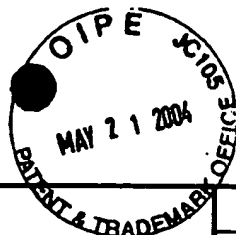
Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/758,608
				Filing Date	January 14, 2004
				First Named Inventor	Lo, Thomas Ying-Ching
				Art Unit	3762
				Examiner Name	To Be Assigned
Sheet	2	of	3	Attorney Docket Number	017886-000810US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>LA</i>	32	US 2002/0019586 A1	02-14-2002	Teller et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>LA</i>	33	PCT	WO/97/17015	A1	05-15-1997			<input type="checkbox"/>
	34	EP	0861045	B1	08-28-2002			<input type="checkbox"/>
	35	JP	60-154793		08-14-1985			

Examiner Signature	<i>[Signature]</i>	Date Considered	11-9-06
--------------------	--------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (08-03)

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

3

**Complete If Known**

Application Number	10/758,608
Filing Date	January 14, 2004
First Named Inventor	Lo, Thomas Ying-Ching
Art Unit	3762
Examiner Name	To Be Assigned
Attorney Docket Number	017886-000810US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>M</i>	36	ARITOMO et al., "A wrist-mounted activity and pulse recording system", Proc. of 1st Joint BMES/EMBS Conf. 2:693 (1999)	
	37	DUPUIS et al, Combined Detection of Respiratory and Cardiac Rhythm Disorders by High-Resolution Differential Cuff.Pressur� Measurement, IEEE Transaction on Instrumentation & Measurement, 49:498-502 (2000)	
	38	GAGNADRE et al., Fibre Optic Sensor for Physiological Parameters, Electronic Letters, 34:1991-1993 (1998)	
	39	HERTZMAN, "Photoelectric Plethysmography of the fingers and toes in man", Proceedings of the Society for Experimental Biology and Medicine 37:1622-1637 (1937).	
	40	IM et al, A Study for the Development of a Noninvasive Continuous Blood Pressure Measuring System by Analyzing Radial Artery Pulse from a Wrist, IEEE-EMBC & CMBEC, 2:1033-1034 (1995)	
	41	TAMURA et al., The Design of an Ambulatory Physical Activity Monitor and It Application to the Daily Activity of the Elderly, IEEE-EMBC & CMBEC, 2:1033-1034 (1995).	

Examiner  
SignatureDate  
Considered

11-9-00

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.





Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

**Complete if Known**

Application Number	10/758,608
--------------------	------------

Filing Date	January 14, 2004
-------------	------------------

First Named Inventor	Lo, Thomas Ying-Ching
----------------------	-----------------------

Art Unit	3762
----------	------

<b>Examiner Name</b>	<b>To Be Assigned</b>
----------------------	-----------------------

Sheet	1
-------	---

1

of

2

Attorney Docket Number

017886-000810US

## U.S. PATENT DOCUMENTS+

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date Considered

11-9-06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/758,608
				Filing Date	January 14, 2004
				First Named Inventor	Lo, Thomas Ying-Ching
				Art Unit	3762
				Examiner Name	To Be Assigned
Sheet	2	of	2	Attorney Docket Number	017886-000810US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	3	Dow Coming Product Description	
	4	Teknor Apex Product Description	
	5	GLS Corporation Product Description	
	6	Septon Product Description	
	7	Kraton Product Description	
	8	Gelest Product Description	

Examiner Signature		Date Considered	11-9-06
-----------------------	--	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

## Title of Invention

ULTRASONIC MONITOR FOR MEASURING HEART AND  
PULSE RATES

Application Number : 10/758608  
Confirmation Number: 5384  
First Named Applicant: Thomas Lo  
Attorney Docket Number: SALU-01001US0  
Art Unit: 3762



Examiner:

Search string: ( 4556066 or 6554772 or 6584660 or 6758816 or 20010034486 ).pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	1	4556066	1985-12-03	Semrow			
2	2	6554772	2003-04-29	Nakamura et al.			
3	3	6584660	2003-07-01	Shimogawa et al.			
4	4	6758816	2004-07-06	Tsubata et al.			

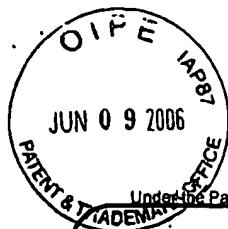
## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
1	1	20010034486	2001-10-25	Larson et al.			

## Signature

Examiner Name	Date
	11-9-06



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

**Complete if Known**

Application Number	10/758,608
Filing Date	January 14, 2004
First Named Inventor	Lo
Art Unit	3762
Examiner Name	
Attorney Docket Number	SALU-01001US0

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-3,020,260	2/6/1962	Nelson	
		US-4,369,284	1/18/1983	Chen et al.	
		US-5,265,614	11/30/1993	Hayakawa et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		DE 3345739	7/4/1985	Fraunhofer-Gesellschaft		
		EP 0283854	9/28/2988	Matsushita Electric		
		GB 2036504	6/25/1980	EMI Ltd		

Examiner  
SignatureDate  
Considered

11-9-06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.